Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/13/2020 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124630	-1	2.15	124716	2.16
Blue	F	SSC	125000	125091	0	1.69	125902	1.68
Blue	E	FITC	16433	15969	-3	2.70	349	19.31
Blue	D	PE	27595	27166	-2	1.87	593	14.28
Blue	B	PerCP-Cy5-5	43183	42526	-2	3.49	1140	20.20
Blue	A	PE-Cy7	31943	31966	0	5.84	614	39.98
Red	C	APC	42819	42476	-1	2.46	1503	11.76
Red	A	APC-Cy7	31261	30540	-3	2.36	809	11.69
Violet	B	V450	6527	6314	-4	4.37	354	13.12
Violet	A	V500	24533	23523	-5	4.09	547	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17735	11.36	614	14	N/A	N/A	Pass
Blue	F	SSC	56993	1.19	555	7	N/A	N/A	Pass
Blue	E	FITC	64	64.02	540	1	0.0229	205	Pass
Blue	D	PE	121	50.02	537	3	0.1821	305	Pass
Blue	B	PerCP-Cy5-5	209	48.73	651	9	0.0091	28	Pass
Blue	A	PE-Cy7	114	96.94	698	9	0.0112	9	Pass
Red	C	APC	359	24.87	578	-5	0.0266	204	Pass
Red	A	APC-Cy7	179	28.29	557	-6	0.0059	1092	Pass
Violet	B	V450	54	62.73	444	-11	0.0628	3004	Pass
Violet	A	V500	82	37.53	455	-12	0.0235	1398	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.87	-32.38	1.05
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	16.72	13.60 - 20.40	N/A	N/A	29.92	30.38	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9847

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments